

Application No.: 10/754,410

**CLAIM AMENDMENTS**

1. (Original) An electronic junction comprising:

a first conductive component, said first conductive component comprising:  
a substrate having a contact surface; and  
a monolayer of plurality of substantially parallel molecular units having first  
and second ends, and attached through their first ends to said contact  
surface through a conjugated bond; and  
a second conductive component in electrical contact with said second ends of  
said substantially parallel molecular units.

2. (Original) An electronic junction according to claim 1 wherein said first conductive  
component comprises electrically conductive carbon.

3. (Currently amended) An electronic junction according to claim 1, each said  
substantially parallel molecular unit having a length, wherein said substantially parallel

**BEST AVAILABLE COPY**